



Rocky Mountain Newsletter



2006-3

Denver, Colorado

July 2006

2nd Annual Joint Western Regional Mine Safety and Health Conference

SAFETY
WORK IT LIVE IT

October 23-26, 2006
Phoenix Marriott Mesa
Mesa, Arizona
www.fireacademy.unr.edu/msha

Welcome! Sponsoring agencies from the mining industry, government and education present the Second Annual Joint Western Regional Mine Safety and Health Conference. Committed to exploring ways to improve health and safety in the mining industry, the purpose of this premier conference is to:

- Build partnerships focusing on zero fatalities, injuries, and occupational illness.

- Send healthy miners home after each shift.

- Foster a better relationship between industry, state and federal agencies.

- Plan and conduct an annual safety and health meeting targeting industry interests.

- Recruit industry and federal government

Guest Speakers



Captain Al Haynes

On July 19, 1989, United Flight 232 suffered a catastrophic engine failure while cruising at 37,000 feet. The loss of all three of the aircraft's redundant hydraulic flight control systems made the aircraft almost uncontrollable.



Vincent Phipps

Vincent Phipps is an award-winning professional speaker and senior communication coach with TLC, Talk, Listen, Communicate. He is the author of more than 200 nationally published articles on interpersonal communication and is sought after internationally as a speaker and presenter.

Activities for Participants and Guests

Golf Tournament - Monday, October 23, 2006 Spend a day on the range at Karsten Golf Course at Arizona State University. Fee: \$75 per person, includes cart, range balls and lunch. To sponsor a hole, contact Mike Flynn, (520) 904-2460 or michael.flynn@gcinc.com.

Professional development credits Participants may earn up to one credit per eight hours of attendance. More information will be available during the conference.

Online Registration Use your credit card to complete your [on-line registration](#). For more information call the University of Nevada, Reno Fire Science Academy at (775) 754-6003 or 1-800-233-8928.

Conference fees The registration fee for the conference is \$250 per person by September 30, 2006 (\$275 after Oct. 1, 2006), which includes conference materials, presentations, discussion groups, refreshment breaks, exhibitors reception, breakfast and lunch on Tuesday and Wednesday and the Thursday awards ceremony breakfast. Additional awards ceremony breakfast tickets are available for \$20. Additional fee of \$75 required for the golf tournament.



Conference location [Phoenix Marriott Mesa](#) Convention Center, 200 N. Centennial Way, Mesa, Arizona, 85201, call 1-800-456-6372. Conference participant room rates are \$103 for single or double occupancy. Make reservations by Sept. 23, 2006. You must mention rate code **WMSWMSA** when making reservations.

Exhibitor registration Download and complete the [exhibitor form](#). Directions for payment and how to register are on the form. Fees are \$525, which include an 8x10-foot exhibition space, one table, two chairs, two conference tickets, and the exhibitors reception. The cost for electricity is an additional \$50 per booth. For more information, contact Terry Tyson, (858) 577-2773 [or terry.tyson@hanson.biz](mailto:terry.tyson@hanson.biz); or contact Diane Fionda, (951) 774-2508 or dfionda@txi.com.

Sponsorship opportunities Foundation sponsorships are available: Platinum, \$1,000 or more; Gold, \$750; Silver, \$500; Copper, \$250; and Claim Stake, \$100. Meal sponsorships, based on 500 participants, are available as well: Lunch, \$9,000; Breakfast, \$8,000; and Breaks, \$2,000. Meal Sponsorships include two conference tickets. Download the [sponsorship form](#). For more information about sponsorship, contact Dave Crawford, (775) 754-6603 or 1-800-233-8928, FAX: (775) 754-6575 Email: davidc@unr.edu.

Refund policy No refunds will be issued after Oct. 1, 2006. Full refunds, less a \$50 administrative fee, will be issued to those who cancel their conference or activity registrations by Oct. 1, 2006.

For more information For more information about the conference, contact Ramona Broadnax, (707) 447-9844 or broadnax.ramona@dol.gov; or contact Karen Craig, (303) 231-5677 or craig.karen@dol.gov.

Conference Agenda

Monday, Oct. 23, 2006

8:00 a.m. - 6:00 p.m. - **Early check-in and registration.**

1:00- 5:30 p.m. - **Golf tournament** (additional \$75 fee)

Tuesday, Oct 24, 2006

7:00 a.m. - 5:00 p.m. - **Check-in/Registration**
 7:30 a.m. - 8:30 a.m. - **Continental Breakfast**
 8:00 a.m. - 6:00 p.m. - **Vendor Exhibits**
 8:30 a.m. - 9:00 a.m. - **General Session**
Welcoming and Opening Ceremony
Presentation of Colors and Pledge of Allegiance
Invocation
Dedication and Memorial for Miners

9:00 a.m. - 9:45 a.m. - **Keynote Address** Frank McAllister, CEO Stillwater Mining Company
 9:45 a.m. - 10:00 a.m. - **Break**
 10:00am - 10:30 a.m. - **Keynote Address** MSHA
 10:30 a.m. - 12:00 - **Keynote Address** Captain Al Haynes United Airline Pilot - Sponsored by Ash Grove Cement Company

12:00 noon - 1:15 p.m. - **Plated Lunch** Ted E. Boyce National Sentinel of Safety Award, Presented by Robert M. Friend, MSHA

1:15 p.m. - 1:45 p.m. - **Keynote Address** MSHA

1:45 p.m. - 2:00 p.m. - **Break**

2:00 p.m. - 3:15 p.m. - **Breakout Sessions**

- Fall Protection
- Acceptable Safety Hazards
- Practical Ergonomics
- Behavior Bases Safety
- Demonstration Lab - Mobile Electrical Training

3:15 p.m. - 3:30 p.m. - **Break**

3:30 p.m. - 4:45 p.m. - **Breakout Sessions**

- Behavior Presentation
- Competent Persons
- Customized STOP Training
- Media Issues
- Silica Sampling Media & Procedures
- Demonstration Lab - Mobile Electrical Training

Wednesday, Oct 25, 2006

7:00 a.m. - 8:00 a.m. - **Continental Breakfast**

7:30 a.m. - 11:00 a.m. - **Check-in/Registration**

8:00 a.m. - 6:00 p.m. - **Vendor Exhibits**

8:00 a.m. - 8:30 a.m. - **General Session**

Phillippe Rollier, President and Chief Operating Officer La Farge Cement Company

8:30 a.m. - 9:00 a.m. - **Keynote Address**

Friend/Quintana Acting/ Administrator Metal/Nonmetal MSHA

9:00 a.m. - 10:00 a.m. - **Keynote Address** Vincent

Phipps, Talk Listen Communications

10:00 a.m. - 10:15 a.m. - **Break**

10:30 a.m. - 11:45 a.m. - **Breakout Sessions**

- Defensive Driving/National Safety Council
- "Lost in the 50's" Safety in Today's Workplace
- JTA Development
- Legal Issues
- Dr. Larry Grayson
- Demonstration Lab - Mobile Electrical Training

11:45 a.m. - 1:15 p.m. - **Plated Lunch** H.L. Boiling / Tom Vanderwalker Awards Presentation

1:30 p.m. - 2:45 p.m. - **Breakout Sessions**

- Mine Emergency, Preparedness
- Team Based Safety
- Creating a Drug Free Culture in the Workplace
- Behavior Based Safety Presentation
- Talk, Listen Communications
- Demonstration Lab - Mobile Electrical Training

3:00 p.m. - 4:15 p.m. - **Breakout Sessions**

- Acceptable Safety Hazards
- Explosives / Homeland Security
- Drugs in the Workplace
- Behavior Based Safety
- TBA
- Demonstration Lab - Mobile Electronic Training

5:30 p.m. - 7:30 p.m. - **Vendor Reception**

Thursday, Nov. 3, 2006

8:00 a.m. - 9:00 a.m. - **Breakfast**

9:00 a.m. - 10:30 a.m. - **Sentinels of Safety Awards** Presented by Irvin Hooker & Arthur Ellis, District Managers

10:30 a.m. - **Closing Comments** Paul Schauer, Manager Director/CRMCA-CRPA

MINE IMPROVEMENT AND NEW EMERGENCY RESPONSE (MINER) ACT OF 2006 SIGNED INTO LAW

The tragic loss of 19 miners in three separate incidents has put national attention on the hazards of mining and what miners deal with on a daily basis. The implementation of the Emergency Temporary Standard (ETS), published March 9, 2006 in the federal register and the enactment of the Mine Improvement and New Emergency Response (MINER) Act of 2006 will affect all mines with its provisions, coal and metal non-metal mines alike. For information about the MINER Act or any MSHA regulations, please refer to the MSHA webpage www.msha.gov or call your local MSHA office.

PARTNERSHIPS FOR SAFETY

District Manager Irvin T. Hooker (Tommy) signed two partnership agreements between MSHA and industry in April. A partnership between MSHA and industry is aimed to collectively prevent workplace accidents, injuries, and occupational illness. Partnerships will further strengthen both MSHA and industry as safe work practices are improved or developed.

The partnerships signed are with Holcim Inc., Trident Plant & Quarry and with Genisis Inc, Troy Mine, both in Montana. These partnerships are aimed to achieve “Zero” injuries and illnesses in the mining industry, develop and share best practices for controlling safety, Embrace “Training Makes a Difference” values, develop incremental goals to improve safety, and among other things hold periodic meetings between the company management and MSHA to discuss the progress achieved through this agreement.

2006 Southwestern Wyoming Mutual Aid Mine Rescue Contest Rocks Springs, Wyoming



The 2006 Southwestern Mutual Aid Mine Rescue Association Contest, held June 6-8 in Rock Springs, WY at the Sweetwater Events Complex, was a great success. Eleven Teams competed in the Field, Gas Bench, Apparatus Bench and First-aid competitions. Eight teams from the Wyoming Trona mines, two teams from Nevada, and one team from New Mexico made the journey to compete. FMC White won the field competition. Rod Christensen of Barrick Goldstrike won the Bio-Pak Apparatus bench contest. Curtis Sanders of the WIPP Silver team

won the BG-4 apparatus contest. Carlos Cueves of Barrick Goldstrike won the Multi-gas Instrument contest, and the General Chemical Blue team, Mickey Smith, Willie Cederburg and Stan Owens, won the first aid contest.
 Congratulations to all eleven teams that competed in this great contest!

National Mine Rescue Contest news

The Metal/Nonmetal National Mine Rescue Contest was held July 11-13 at the Reno, Nevada Convention Center. Thirty-three mine rescue teams from all regions in the nation competed in the field competition, first aid, and the gas and apparatus bench contests. The contest was followed by an awards banquet on Thursday evening at the Silver Legacy Resort in Reno. Please visit our website <http://www.msha.gov/MineRescue/CONTEST/2006MNM/2006HOME.asp> for photos and result information.

2006 METAL/NONMETAL Fatal Accident Review

(As of 06/30/2006)

Number of Fatal Accidents

Mine Employees	13
Contractors	2

Fatalities by Commodity

Sand & Gravel	33%
Crushed Stone	20%
Limestone	27%
Dimension Stone	13%
Phosphate	7%

Fatalities by Classification

Powered Haulage	33%
Fall of Persons	7%
Machinery	20%
Falling Materials	13%
Fall of Highwall	7%
Electrical	20%

Fatalities by Mine Size

1-5 Employees	0%
5-10 Employees	20%
10-20 Employees	27%
21-25 Employees	7%
26-50 Employees	26%
51-100 Employees	7%
100 + Employees	13%

Fatalities by Age

17-25 Years	27%
26-30 Years	0%
31-35 Years	13%
36-40 Years	13%
41-45 Years	13%
46-50 Years	7%
51-60 Years	20%
61 + Years	7%

Fatalities by Activity

Production	33%
Maintenance/Repairs	67%

Fatalities by Occupation

Mechanic	13%
Electrician	20%
Mobile Equipment Operator	13%
Supervisor	7%
Laborer/Utility	13%
Machinery/Plant Operator	34%

Fatalities by Mine Experience

0 -1 Year	26%
1-2 Years	7%
2-5 Years	0%
5-10 Years	13%
10-15 Years	40%
15-20 Years	7%
20-25 Years	0%
25-30 Years	0%
30+ Years	7%

Fatalities by Root Cause

Not completed at this time
 (Fatalities may have more than one Root Cause)
 PPE
 Inadequate Procedure
 Training
 Lockout
 Risk Assessment

LIGHTNING DANGER, INJURIES AND TREATMENT

Lightning causes more deaths in an average year than all other meteorological events combined, including floods, hurricanes, and tornadoes.

- ✈ The most common form of lightning is "streak lightning" visualized from cloud to ground. Streak, lightning can be observed cloud to cloud in addition to "sheet lightning" a shapeless flash between clouds.
- ✈ There are four modes of contact with lightning; direct strike, splash phenomenon, step potential, and flashover potential.



Direct strike, as the name implies, is a direct lightning contact to the body, traveling through the body to the ground.

Injuries from lightning can be Blunt Trauma, Neurologic, Cardiac, Skin, Muscle and Bone Ophthalmologic (eye) and Otologic (hearing). The majority of lethal injuries caused by lightning stem from cardiopulmonary arrest. Rapid triage, first Aid ABC's, CPR, evacuation and transport as needed. Patients must be resuscitated vigorously. Approximately 70%--72% of victims lose consciousness with 85% experiencing retrograde amnesia.



▪ ***Some workers are at greater risk than others***

People who work outdoors in open spaces, on or near tall objects, with explosives, or with conductive materials such as metal have a large exposure to lightning risks. Workers in these occupations are among those with the most risk:

- Logging
- Explosives handling or storage
- Heavy equipment operation
- Plumbing and pipefitting
- Construction and building maintenance
- Farming and field labor
- Telecommunications field repair
- Power utility field repair

- ***Know your company's lightning safety warning program***

Businesses that have high risk functions – such as explosives storage or field repairs during severe weather – should have a formal lightning warning policy that meets these two basic requirements:

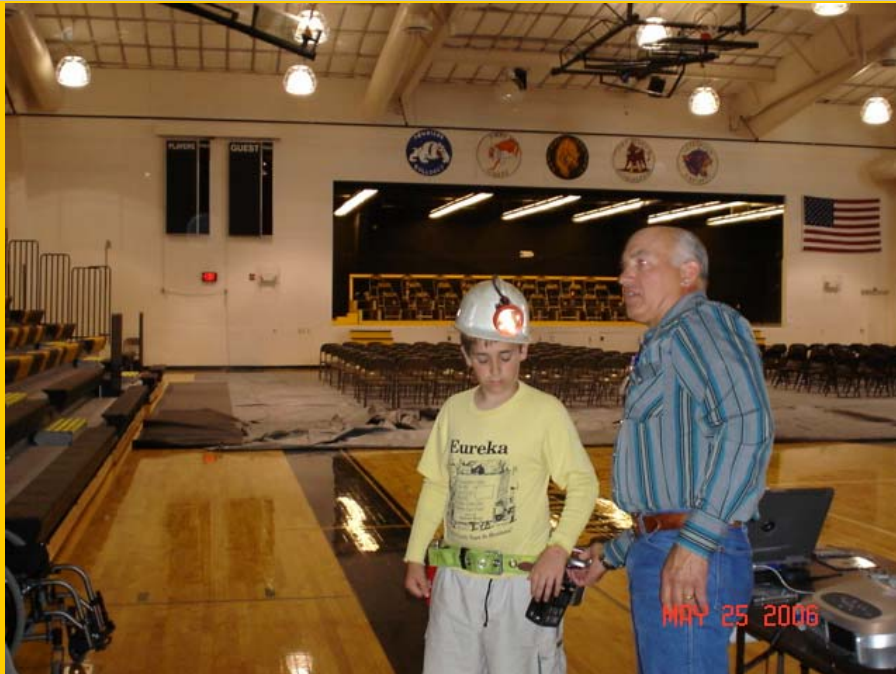
1. Lightning danger warnings that can be issued in time for everyone to get to safe location.
2. Access to a safe place.

ARIZONA SAFETY DAY



TOM CAPRON AND OSCAR MONTANO, OF THE MESA, AZ FIELD OFFICE, REPRESENTED MSHA AT THE FORT HUACHUCA SAFETY DAY. THE EVENT HELD AT THE FORT HUACHUCA MILITARY BASE IN SIERRA VISTA, AZ ANNUALLY PROMOTES SAFETY AWARENESS TO EVERY DAY COMMON HAZARDS AS WELL AS THOSE NOT SO COMMON HAZARDS. MSHA HANDED OUT MATERIALS ON THE HAZARDS OF ACTIVE AND ABANDONED MINES AT THIS EVENT TO INCREASE PUBLIC AWARENESS. “STAY OUT – STAY ALIVE” INFORMATION WAS PRESENTED TO ALL THE PERSONS WHO ATTENDED THE EVENT. NEARLY 6,000 MILITARY AND CIVILIAN PERSONEL ATTEND THE EVENT.

Stay Out! Stay Alive!



Curt Petty, Helena Montana MSHA Field Office Supervisor, pictured giving SOSA presentation with student participation

Stay Out! Stay Alive!

"Stay Out–Stay Alive" is a national public awareness campaign aimed at warning children and adults about the dangers of exploring and playing on active and abandoned mine sites.

Every year, dozens of people are injured or killed in recreational accidents on mine property. MSHA launched "Stay Out–Stay Alive" in 1999 to educate the public about the existing hazards. The campaign is a partnership of more than 70 federal and state agencies, private organizations, businesses and individuals.

Throughout the year, "Stay Out–Stay Alive" partners visit schools, communities and youth organizations around the country to educate children about the importance of steering clear of active and abandoned mines.

Inspector Career Intern Program

The Mine Safety and Health Administration (MSHA) is looking for motivated professionals committed to ensuring the health and safety of our Nation's miners. If that describes you, attend one of our on-site employment screenings held throughout the United States to be considered for a Mine Safety and Health Inspector position. Upon successful completion of math and writing tests, you will be interviewed by MSHA managers and supervisors for possible employment opportunities. If you are selected, you will be hired as a Federal Career Intern and placed in a formal training program designed to prepare you for a career as a Mine Safety and Health Inspector.

Job Fair Locations: Golden, Colorado
Date: August 5-6, 2006
Address: Colorado School of Mines
1600 Illinois St.
Golden, CO 80401

Registration for all candidates begins at 07:00 a.m. and ends at 08:00 a.m.

Walk in candidates are also welcome to attend, subject to space availability, and are asked to bring a completed resume and current photo id. For more information, check the MSHA website for job fair scheduling at www.msha.gov

MSHA Safety Slogan of the Month for April 2006
No Accidents, No Injuries, No Exceptions

ROCKY MOUNTAIN DISTRICT EMPLOYEE OF THE QUARTER
Dan Stevenson
Green River Wyoming Field Office



Dan Stevenson works in the Green River, Wyoming field office. Dan has been doing collateral duties as an accident investigator and petition investigator along with his regular inspection duties for the Rocky Mountain District. **Congratulations Dan, Rocky Mountain District Employee of the Quarter!**

New Rocky Mountain District field office personnel

Kyle Griffith

Mine Safety and Health Inspector – Mesa, AZ field office



Kyle started his mining career with ASARCO, at the Mission unit, in Arizona; he also worked for Phelps Dodge in Arizona. He then became a traveling miner working in Illinois, and going over seas to countries such as Nicaragua and Ghana where he worked in gold mining. He also worked in Puerto Rico. He started with MSHA in 2003 in the Vacaville, CA field office and came to the Mesa Field office in June of 2006. We all would like to welcome Kyle and his wife to the Rocky Mountain District.

Welcome to the Rocky Mountain District!

HELP US KEEP OUR MAILING LIST CURRENT

As address corrections or deletions become necessary, please let us know. Changes and/or deletions should be submitted by identifying the 5-digit identification number shown in the upper left-hand corner of your mailing label.

For additions, changes, deletions send to:

Mine Safety & Health Adm.

Jane Route: MSHA-M/NM

P.O. Box 25367, DFC

Denver, CO 80225-0367

(303) 231-5465 fax: (303) 231-5468

E-mail: route.jane@dol.gov

Yours in Safety,

***Irvin Hooker,
District Manager***

U.S. Department of Labor
**Make the
RIGHT Decision**
Mine Safety and Health Administration

The majority of fatal accidents have these common root causes

- Failure to identify hazards
- Failure to manage risks

SLAM Risks!

Miners:

Stop	Think through the task
Look	Identify the hazards for each job step
Analyze	Determine if you have the proper knowledge, training, and tools
Manage	Remove or control hazards and use proper equipment

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